



# *the* **ILLINOIS ENGINEER**

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AERIAL VIEW DECATUR, ILLINOIS, SITE 73RD ANNUAL MEETING.

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THE ILLINOIS ENGINEER,  
MARCH 1958,  
VOLUME XXXIV, NO. 3

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# ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS, Incorporated

Affiliated with the National Society of Professional Engineers

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<i>St. Clair</i>	Melvin A. Dobbs	Earl W. Marquardt	S. J. Petraitis
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## ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS

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# Of Interest to I. S. P. E.

## PRESIDENT'S MESSAGE

By A. W. NEUREUTHER

National Engineer's Week, February 16-22, was a great success from all observations and reports. We are grateful for the generous support and collaboration from all other organizations with I.S.P.E. and N.S.P.E. We thank all I.S.P.E. members who functioned so well to stage a most successful Engineer's Week in Illinois.



A. W. Neureuther

Now in March, when spring is near, we turn our attention to preparation for the 73rd Annual Meeting to be held April 10-11-12 in Decatur. We must mention it now because by the time the next ILLINOIS ENGINEER reaches you the 73rd Annual Meeting will be history, and much I.S.P.E. business will have been transacted.

It is too bad that the Society is so far-flung that it seems practical to have only one general meeting per year for the corporate members. This emphasizes the need for good chapter meetings regularly. But with just one meeting like the annual meeting we should make the most of it each year, and really make it count for benefits to the attending member personally, for benefits to the Society, and for the satisfaction to those who arrange and stage a good annual meeting.

This year the Central Illinois Chapter is host. As those who have planned such a meeting know, there are many worries and much work attendant to the preparation and execution of the meeting. Invariably in the end, their careful planning pays off, all turns out well, and a very real feeling of achievement is theirs.

An unusual opportunity exists this year for members and their wives residing in the middle of the state and those down staters who would like to attend the annual meeting, since Decatur is centrally located and very conveniently reachable by a large portion of the membership of I.S.P.E.

An excellent program has been arranged, with at least seven speakers of note scheduled at various times Thursday and Friday. Here is the opportunity to participate, to learn new things, to be entertained, and to receive inspiration for carrying on the good work of the engineering profession. A special program for ladies has been arranged by the Auxiliary.

Make the most of this fine opportunity this year. Come to the 73rd Annual Meeting of I.S.P.E. in Decatur on April 10-11-12.

## VOX SECRETARII

By P. E. ROBERTS, Executive Secretary

With the increased volume of both editorial and advertising material during February and March, the paragraphs written by your Executive Secretary and Editor, by necessity, have been consigned to the waste basket. For the record, membership totals continue to climb having passed the 2000 mark during February. The financial condition of the Illinois Society is at its all time high in its 73 year history. Details of these items and many others will be told at the 73rd Annual Meeting. Plan to attend.

## COVER PICTURE

The picture on the cover is an aerial view of Decatur, Illinois. Decatur is the home of Central Illinois Chapter, host Chapter of the 73rd Annual Meeting. The Orlando Hotel is right center just north of the City and County Building. Near the hotel are two large municipal parking lots and a short distance north and east of the hotel will be found the new multilevel municipal parking structure.

"I want to meet your husband some time. They say he is a man of rare gifts."

"He sure is—he hasn't given me one since we were married."

Mixed company is what you are in when you think of a good story you can't tell there.

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## READ THE ADVERTISEMENTS

### SUBSCRIPTION RATES

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# ENGINEERS WEEK IN ILLINOIS

Highlighting National Engineers Week, which was celebrated the week of February 16 to 22, was the proclamation issued by Governor William G. Stratton. The accompanying photo shows Governor Stratton about to sign and deliver his proclamation to President Neureuther.

## CAPITAL CHAPTER

Capital Chapter celebrated Engineers Week with a joint dinner with the Highway Engineers and the Springfield Engineers Club at the Springfield Elks Club. John Duba, Deputy Mayor, City of Chicago, gave the principal talk. The Chapter also had some time on Springfield TV Station, WICS. Several talks by Chapter members were given at Springfield schools during the week.

## CENTRAL ILLINOIS CHAPTER

Kicking off Engineers Week on Sunday, February 16, President A. W. Neureuther and Central Illinois Chapter President Gil Henning appeared in a ten minute interview on Decatur television station WTVP. On Wednesday night the Chapter sponsored a joint dinner meeting with other engineering groups at which Millikin University's President Paul L. McKay recounted his recent trip to Russia. Also, Mayor Clarence Sablotney issued an Engineers Week proclamation. In addition there were three other TV programs and interviews and tape recordings sent out over Radio WDW and WSOY.

## CHAMPAIGN COUNTY CHAPTER

Champaign County Chapter began Engineers Week on Monday, February 17, with a five minute interview by Chapter President J. Raymond Carroll on TV station WCIA. On Wednesday night, C. Dale Greffe was interviewed and showed some pictures of engineering work on the same TV station. Thursday night the Chapter had its annual Engineers Week dinner dance at the Moose Club. Guests of honor were Mayor and Mrs. Lafferty and Mayor and Mrs. Weaver.

## CHICAGO CHAPTER

National Engineers Week was observed in the Chicago area with a special program at the Northwestern University Technological Institute on February 19. Observance of the National event, proclaimed by President Eisenhower, is sponsored locally by the Chicago Chapter. The meeting at Northwestern, conducted by the Chicago Chapter and the University, featured a panel discussion on "Opportunities in Engineering" by five leading Chicagoland engineers. Highlight of the program, which began at 7:30 p.m., was the presentation of a special award to a noted Chicago professional engineer, Samuel A. Greeley (S '12). Moderator for the panel session was

Linas H. Brown, President of the Chicago Chapter. Participating in the discussion were Dr. A. Allan Bates, vice president and chief of research, Portland Cement Association; Anthony S. Zimmer, attorney and engineer; George DeMent, Chicago's Commissioner of Public Works; Donald W. Cather of the Chicago engineering firm of DeLeuw, Cather & Co. and Edward F. Obert, professor of Mechanical engineering at the Technological Institute. The meeting was open to the public and a question and answer session followed the panel discussion. A similar panel discussion was conducted during the week at LaGrange on February 18.



Left to right seated: Mayor Stanley Weaver, Urbana, Mayor Virgil Lafferty, Champaign. Standing: City Engineers Mack Kinch, John Kearns.

## ILLINOIS VALLEY CHAPTER

Illinois Valley Chapter participated in Engineers Week by a full page of activities and advertising in the local Ottawa paper.

## JOLIET CHAPTER

Joliet Chapter had a special Engineers Week section in the local paper. Tape recordings were played over Radio station WJOL, plus use of other Engineers Week material from National Society.

## LAKE COUNTY CHAPTER

Highlight of Lake County Chapter's participation in National Engineers Week was the presentation of cita-



on for the program of engineer development to Fansteel Metallurgical Corporation and Lake Forest College. Mr. Frank H. Driggs accepted the citation for Fansteel and Dr. Ernest A. Johnson, President of Lake Forest College, accepted the citation for his institution. The citations were made at a dinner meeting on Wednesday, February 19, at Hank's Supper Club.



Governor William G. Stratton Signs Engineers' Proclamation for Illinois. President Neureuther looks on.

#### MADISON COUNTY CHAPTER

Madison County Chapter began Engineers Week with the announcement kick-off on Radio station WOKZ at Alton, followed by daily spot announcements through the balance of the week. A special program was held at Edwardsville High School, the theme of the program being, "Engineering as a Career." Liberal use was made of Engineers Week stamps, badges and other material.

#### ROCK RIVER CHAPTER

Rock River Chapter held a dinner meeting on February 18 with President-Elect Frank Edwards as guest speaker. Fifteen minute tape recordings were played over Radio station WSRD and five one-minute films were viewed over TV station WHBF, Channel 4, Rock Island.

#### ST. CLAIR CHAPTER

St. Clair Chapter celebrated Engineers Week with a dinner at the Knights of Columbus Club on Saturday,

February 22. The highlight of the dinner was the presentation of a plaque honoring Chief Highway Engineer Ralph Bartelsmeyer, who is a member of the Chapter. During the week a picture was taken of East St. Louis Mayor Albin G. Fields being instructed in the use of a transit by Chapter President Melvin Dobbs and Secretary Stanley Petratis.

Other chapters participated in various ways; however, details of their participation did not reach the editor in time for inclusion.

#### NEW BUSINESS

Charles S. Danner (N '48) formerly with Clark, Daily and Dietz and previous to that a member of the Surveying faculty, University of Illinois, has announced that he has opened a Consulting Engineering Office. His firm will do aerial photography, mapping, subdivisions surveys, land surveys and other civil engineering work. His office is at 706 S. Lynn Street, Urbana, Illinois.

A human brain is a wonderful thing. It starts working the moment you are born and never stops until you stand up to speak in public.

A little mind is kind of like a penny—there's no way to change it.

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## Obituaries

**Carlson E. Bronson**, (N '47) died at his home in Kewanee on January 21, 1958. Before his retirement on December 31, 1956, Mr. Bronson was Vice President and Chief Engineer of the Kewanee Boiler Division, American Radiator and Standard Sanitary Corporation. He had been with the Boiler Company for 42 years.

Mr. Bronson was born in Painted Post, New York on December 20, 1886. He earned a B.S. in M.E. at Cornell University in 1910. He joined the Kewanee Boiler Company organization in 1917 and was with them until his retirement in 1956. He was a life member of A.S.M.E., A.S.A.C.H.E., I.S.P.E. and N.S.P.E. He was past exalted ruler of Kewanee Elks Lodge. He was Vice President in 1949 and President of West Central Chapter in 1950.

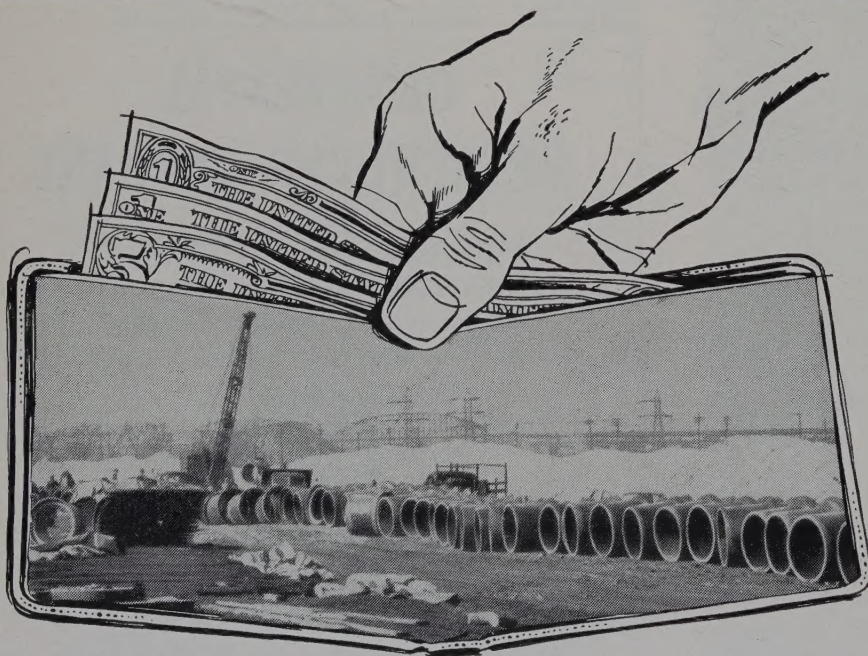
Mr. Bronson is survived by his widow, a daughter and three sons. He was buried in New York.

**Elmer R. Knight** (N '47) died on February 6, 1958. Prior to his illness he was Assistant Chief Engineer, State of Illinois Division of Highways. He earned a B.S. in C.E. from Norwich University, Northfield, Vermont in June 1919. After a brief period of work in Vermont he came to Illinois as a Junior Engineer, Division of Highways in Carbondale. In 1922 he was moved to Springfield as Assistant Highway Engineer

and his work in the Division continued until his retirement.

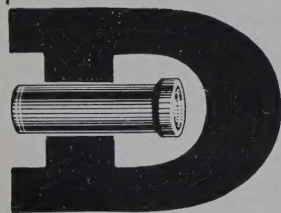
Elmer was active in Boy Scout work, a member of the Lions Club, Springfield Engineers club, Laurels Methodist Church, Knight Templars and other civic and religious organizations. In Illinois Society affairs he was Chairman of several State Committees.

**Urban C. Neyer** (S '47, N '48) died in Great Lakes Naval Hospital on February 13, 1958 after a four weeks illness. He was master mechanic at Great Lakes Naval Training Center. He was born in Covington, Kentucky on April 10, 1911. In 1929 he graduated from St. Xavier High School, Cincinnati and earned a civil engineering degree from the University of Cincinnati in 1933. After seven years in the construction business, he was Maintenance Officer (Lt. JG to Comdr.) from 1943 to 1946 when he became Supt. of Maintenance and Operations at Great Lakes. For fifteen years he was active in Boy Scout work. He was a member of the St. Mary Church, Lake Forest and other civic and church groups. In Lake County Chapter he was elected Chapter Treasurer in 1954, Secretary, 1955, Vice President 1956 and Chapter President in 1957. He was elected Lake County Chapter Representative at the Chapter's Annual Meeting and would have taken office in April. His wife, two sons and two daughters survive.



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# 73rd ANNUAL MEETING

APRIL 10, 11, and 12, 1958

Orlando Hotel

Decatur, Illinois

## WEDNESDAY—APRIL 9, 1958

7:00 p.m.—Registration Opens. Welcoming Committee in attendance at Orlando Hotel until 10:00 p.m.

## THURSDAY—APRIL 10, 1958

8:00 a.m.—Registration

8:30 a.m.—Board of Direction Meeting—Orlando Hotel  
Presiding—Andrew W. Neureuther, President

12:00 noon—

9:30 a.m. to

11:30 a.m.—Field Inspection Trips

9:00 a.m.—Exhibits to Open to Public

12:15 p.m.—Luncheon at Orlando Hotel

Presiding—John Castle  
Invocation—Dr. J. R. Ford, Grace Methodist Church, Decatur, Illinois  
Welcome—Honorable Clarence Sablotny, Mayor  
Address—Allen Van Wyck, President, Illinois Power Company, Decatur, Illinois  
Subject—Atom Power in Illinois

2:00 p.m.—Board of Direction meeting

2:00 p.m. to

3:00 p.m.—Presiding—Andrew W. Neureuther, President  
Speaker—Allison C. Neff, Vice President, Armco Drainage & Metal Products, Inc., Middletown, Ohio  
Topic—Professional Unity

3:00 p.m. to

5:00 p.m.—Functional Section Meetings:

1. Industry—Warner Johnson
2. Private Practice—J. D. Voorhees
3. Surveyors—Arnold Lundgren
4. Education—Ross Martin
5. Highway—Ellis Danner

6:00 p.m.—Get acquainted cocktail hour

7:00 p.m.—Smorgasbord Dinner

8:00 p.m.—Entertainment

## FRIDAY—APRIL 11, 1958

8:00 a.m.—Registration

8:30 a.m.—73rd Annual Meeting

Presiding—Andrew W. Neureuther, President

11:30 a.m.—Annual Meeting Adjourns

12:15 p.m.—Presidents Luncheon

Presiding—Frank W. Edwards, Vice President  
Invocation—Rev. Carrell W. Flewelling, Central Christian Church, Decatur, Illinois

Speaker—Garvin H. Dyer, President N.S.P.E., Missouri Water Company, Independence, Missouri

Subject—National Society of Professional Engineers

2:00 p.m.—Presiding—Alex Van Praag, Jr., Past President, N.S.P.E.

Speaker—R. H. Harrison, Regional Engineer U.S. Bureau of Public Roads, Chicago, Ill.

Topic—Federal Highway Program

Discussion

2:45 p.m.—Speaker—The Honorable John A. Blatnik, Congressman of Minnesota, member Public Works Committee

Topic—Water Conservation

Discussion

3:30 p.m.—Break

3:45 p.m.—Speaker—To be arranged  
Discussion

5:00 p.m.—Adjourn

6:00 p.m.—Cocktail Hour

7:00 p.m.—73rd Annual Banquet (Dress Optional) Orlando Hotel

Presiding—A. W. Neureuther, President  
Invocation—Rt. Rev. Monsignor George H. Powell, Pastor St. Patrick's Church, Decatur, Illinois

Dinner

Presentation of the Illinois Award

Presentation of Past Presidents Certificate

Presentation I.E.C. Past Presidents Certificate

Speaker—Dr. Robert O. Harvey

Subject—“Inflation, Deflation and Flatation”  
(The Business Outlook)

10:00 p.m.—Dance

## SATURDAY—APRIL 12, 1958

8:15 a.m.—Organization and First Meeting of 74th I.S.P.E.

Board of Direction (Open to Members of Society) at Orlando Hotel

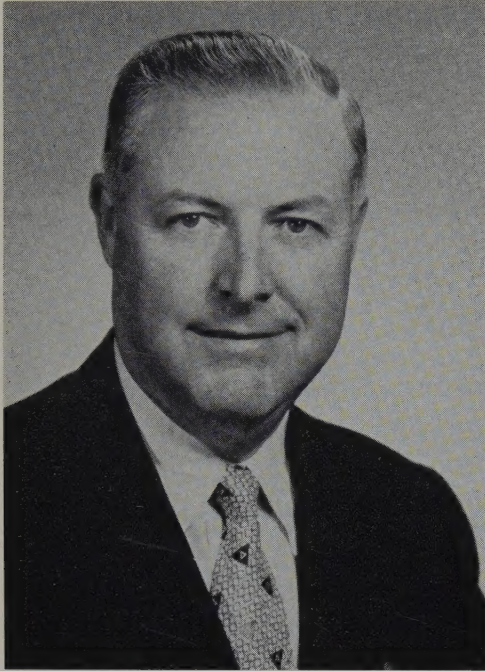
12:00 noon—Luncheon—Orlando Hotel

Adjournment



**GARVIN H. DYER**

Garvin H. Dyer, of Independence, Missouri, NSPE president for 1957-58, has been actively engaged in water works operation and management for over 33 years. He has recently been elected to the board of directors of the Missouri Water Company, and has been, since 1947, manager and chief engineer of the Independence division of the firm. Prior to that year, he was engineer, assistant superintendent, and secretary of the Springfield City Water Company.



Garvin H. Dyer, President N.S.P.E.

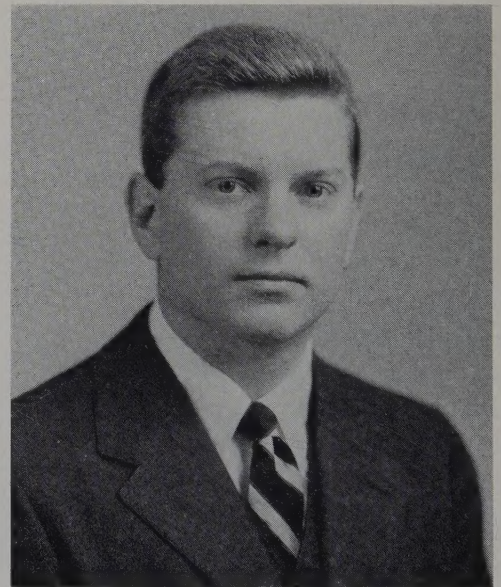
Born in Ash Grove, Missouri, he received his education in the public schools of Springfield, and through correspondence and private study. He served two terms as NSPE vice president, and is a former member of the Board of Directors. Mr. Dyer is a past president of the Missouri SPE and has served as chairman of both its Ozark and Western Chapters. He is also an active member of the American Water Works Association, and was chairman of that group's Missouri section in 1952. He is past chairman of the Missouri Water and Sewerage Conference, and received its Award for Merit in 1954. He is also a member of the Kansas City Engineers Club, the Independence Lions Club, the Independence and Jackson County Chambers of Commerce, and various Masonic bodies, including the Ararat Shrine.

**ROBERT O. HARVEY**

Dr. Robert O. Harvey, 73rd Annual Banquet speaker, is Associate Professor of Finance at the University of Illinois. Dr. Harvey is a Hoosier having earned his B.S., M.S. and D.B.A. at Indiana University. He spent three years in Military Service, has taught at Indiana and was Assistant Dean, School of Business, Indiana University. After serving as visiting lecturer in Business Administration, University of California, Berkeley, he became Assistant Professor, College of Commerce, University of Illinois in 1953. In 1956 he was made Associate Professor of Finance which academic rank he now holds.

Dr. Harvey has been and is business consultant in market analysis, finance, mortgage and construction lending problems. He has served on several community planning commissions. He has authored a score of articles and monographs. He is a member of the Auditing Commission, Real Estate Licensing, Department of Registration and Education, State of Illinois.

Dr. Harvey is a member of Champaign Rotary Club and many business and professional societies. He is a young man (born during Calvin Coolidge's first term) however, with his wealth of education and experience, he has the ability to speak with authority and also in a highly entertaining way.



Robert O. Harvey

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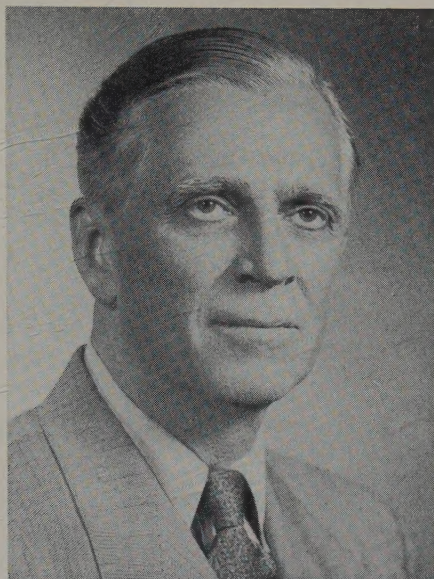
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# Distinguished Speakers to be heard at the 73rd Annual Meeting of the Society



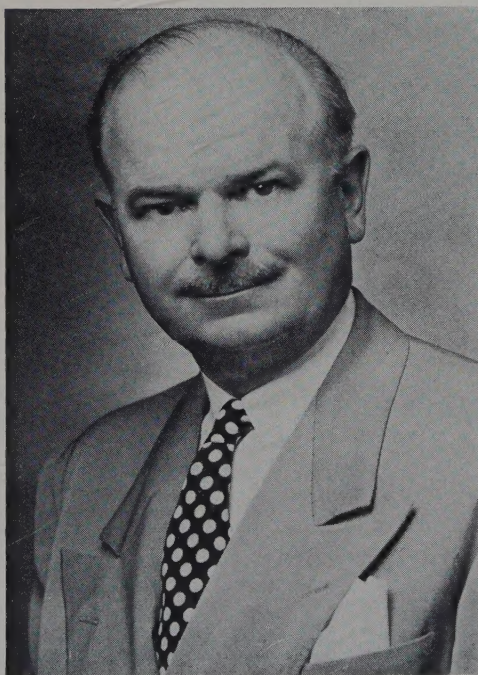
Allen Van Wyck, President  
Illinois Power Company



R. H. Harrison, Regional Engineer,  
U. S. Bureau Public Roads.



John A. Blatnik  
Congressman, Minnesota



Allison C. Neff, Vice President  
Armco Drainage & Metal Products



# How Missouri Solved Ground Water Problems on Route 66

Saturated subgrades mean reduced load carrying capacity—and frequently lead to failure of the pavement they support. Route 66 in Missouri is a prime example of how engineers use “preventive medicine” for this trouble. Plans called for various subdrainage designs—to meet different ground water conditions. Where the contractor encountered ground water during construction, he installed subdrainage systems of Armco Perforated Pipe. Harmful ground water is collected and drained away. Now subgrades remain dry and stable; a potential maintenance headache is eliminated.

There are good reasons why Armco Perforated Pipe is selected for important subdrainage projects. It has the flexible strength of corrugated metal design to resist heavy loads and vibration. Strong, tight joints can't open up or pull apart to admit clogging solids. Water enters the pipe through scientifically placed perforations. And contractors prefer Armco Perforated Pipe because the long, 20 foot lengths mean fewer joints and fast installation. Write us for complete subdrainage data.



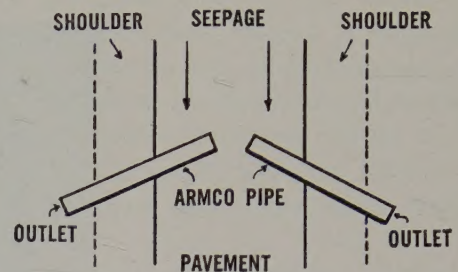
Workmen backfill Armco Perforated Pipe on Route 66 with coarse sand filter material.

## ARMCO DRAINAGE & METAL PRODUCTS, INC.

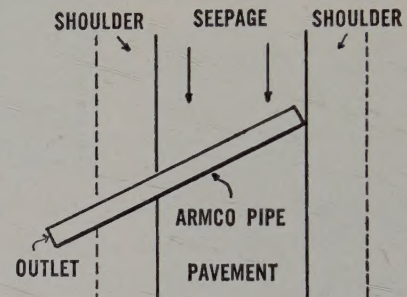
426½ S. Fifth Street  
Springfield, Ill.

20 North Wacker Drive  
Chicago, Illinois

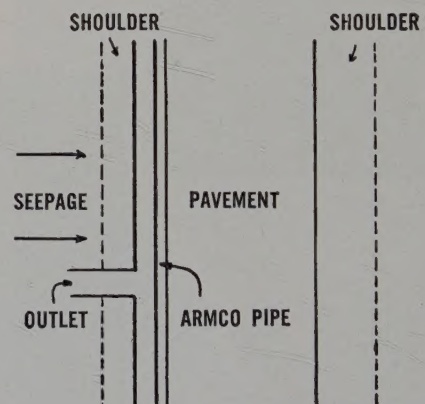
Here are three plan views, showing typical subdrainage systems used in Missouri. Each is designed to handle different ground water conditions.



LONGITUDINAL SEEPAGE  
INTERCEPTED



DRAINS WATER POCKETS  
FROM SUBGRADE



SEEPAGE INTERCEPTED BEFORE  
IT REACHES SUBGRADE

# Armco Perforated Subdrainage Pipe





## Ladies' Program

### 73rd Annual Meeting

- 3-10:00 a.m.—Coffee Hour—Victorian Room. To You—Our Guests, Aloha!!  
Hostess—Mrs. Howard Fukuda, a native of Hawaii
- 9:30 a.m.—Browsing time for "Just Looking, Thank You!" shoppers  
Antique Shops  
Hawaiian Gift Shop  
Fairview Plaza
- 1:00 p.m.—Luncheon—Meet at Hotel Orlando to go to Luncheon. Mistress of Ceremony—Mrs. T. S. Abernathy  
Program: "It's in the Bag" Tips to make traveling here and abroad more pleasant.  
Mrs. Ruth Adams, Associate Professor Home Economics, Millikin University
- 3:00 p.m.—Seeing Decatur  
Millikin University Campus  
MacArthur High School
- 6:00 p.m.—Social Hour with Men—Hotel Orlando Pastel Room
- 7:00 p.m.—Buffet Dinner—Hotel Orlando Ballroom

### P. S. . . . To the Ladies—Last Flash!

April, convention time—when days are balmy in the middle and crisp around the edges!

Look at the program—see what we have to offer—then glisten and gleam!

DON'T FORGET!! Coffee and rolls in the Victorian Room Thursday morning.

### DOOR PRIZES! FAVORS!

How much luggage are you bringing to the convention? Do you use three suitcases and twelve shopping bags when a vacation lasts more than a week? See a demonstration on how to assemble and pack a one-suitcase wardrobe at Thursday's Luncheon.

Popular as popcorn are the cocktail hours. You all come—Meet your friends—Relax—Have fun!!

### FAVORS! DOOR PRIZES!

Meet the presidents of the ladies' auxiliaries!! Plan to attend the tea at the home of Mr. and Mrs. Van Praag given by the local ladies. Tours will end at the tea. For those attending the tea only, private cars will be available.

The last word in women's clothes is often a GASP!!

### DOOR PRIZES! FAVORS!

A girl from the North was visiting. Looking at a bush in the backyard, she asked: "What kind of tree is that?"

"That's a fig tree," was the reply.

"Oh!" she said, "I thought that the leaves were larger than that!"

### FRIDAY, APRIL 11

- 10:30 a.m.—Brunch—Elks Club Ballroom. Mistress of Ceremony—Mrs. Richard E. Reeves  
Program: Excerpts from a current stage hit.  
Mrs. Rozetta Alk, Chicago, Illinois
- 1:30 p.m.—Seeing Decatur—Sign at desk for your choice of tour.  
Home Manufacturing Company, Ladies dresses.  
(length of tour 60 minutes)  
Picture Craft Co.  
The Picture Craft Co. was the originator of the paint-by-number industry established in Decatur in 1938. (length of tour 45 minutes)
- 2-4:00 p.m.—Presidents' Tea—Home of Mr. and Mrs. Alex Van Praag, Jr.  
Given by the Central Illinois Chapter's Ladies' auxiliary, honoring presidents of all auxiliaries. Mr. Van Praag is past president of both our State and National Professional Engineer Societies.
- 6:00 p.m.—Social Hour with Men—Victorian Room
- 7:00 p.m.—Banquet—Hotel Orlando Ballroom

### Co-Chairwomen Ladies Entertainment



Mary (Mrs. A. W.)  
Neureuther



Hannah (Mrs. A. A.)  
Brensley

### Committee Chairmen—Ladies' Activities

#### 1958 I. S. P. E. Convention

Mrs. John E. Housiaux, President Decatur Auxiliary  
Mrs. A. W. Neureuther, General Chairman  
Mrs. A. A. Brensley, General Co-Chairman  
Mrs. Gilbert D. Henning, Secretary

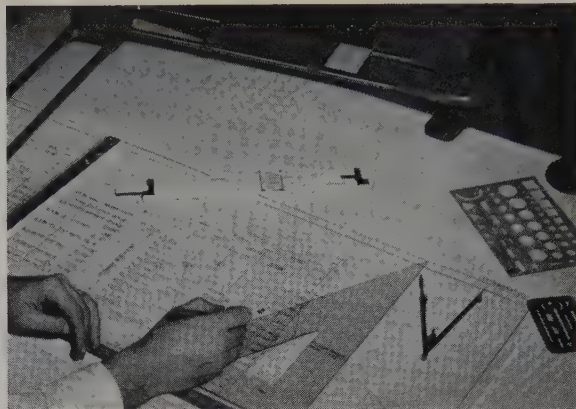
#### COMMITTEE CHAIRMEN

Registration—Mrs. M. Dean Wurth  
Hostesses—Mrs. Walter G. Scherer  
Tours—Mrs. Edward Weiland  
Decorations—Mrs. Fred Tratzik  
Thursday Luncheon—Mrs. Homer Chastain  
Friday Brunch—Mrs. John F. Sweetnam  
Friday Tea—Mrs. A. A. Brensley  
Door Prizes—Mrs. Alex Van Praag, Jr.  
Flowers—Mrs. W. S. Burlingame



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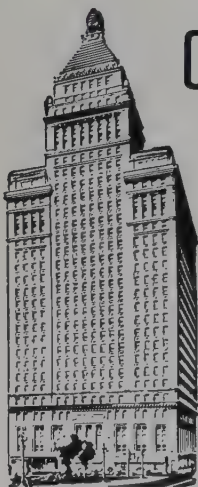
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 Brooks, Rollin W., 143 Central Ave., Aurora. (DuKane)  
 Brown, Ervin E., 305 Hickory, Joliet. (Joliet)  
 Catter, Merrill F., Jr., 1419 Lundvall, Rockford. (Rockford)  
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 Kovich, Martin T., 703 South Main, Hillsboro. (Capital)  
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 Eldred, Norman O., 455 Voltz Rd., Northbrook. (Chicago)  
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 Forsmark, Ulrik E., 320 Addison Ave., Elmhurst. (Chicago)  
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 Koncel, Edward F., Jr., 10055 S. St. Louis Ave., Evergreen Park 42. (Chicago)  
 Kotula, Louis, 245 Cummor Ave., Glen Ellyn. (Chicago)  
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 Peterson, John E., 1535—12th St., Rockford. (Rockford)  
 Plankenhorn, Clarence R., 1212 West Charles, Champaign. (Champaign County)  
 Pomrenke, Harry L., 7010 Pershing Rd., Berwyn. (Chicago)  
 Ramseur, James H., 5330 West Potomac Ave., Chicago. (Chicago)  
 Rannikko, Urho J., 214 South Chicago Ave., Rockford. (Rockford)  
 Rhodes, Glenn E., 19 Arizona Drive, Decatur. (Central Illinois)  
 Rickert, Reinold, Box 251, Marengo. (Chicago)  
 Robinson, Alva J., 13240 Avenue F., Chicago. (Chicago)  
 Robinson, Forrest G., Carpenter Rd., Edwardsville. (Madison County)  
 Roney, Ralph M., 428 East Belle, Rantoul. (Champaign County)  
 Samuel, Robert H., 624 South Lincoln, Hinsdale. (Chicago)

Schnadt, Arthur H., 4924 Oak Center Drive, Oak Lawn. (Chicago)  
 Schoen, John W., 3826 No. Hoyne Ave., Chicago 18. (Chicago)  
 Scott, Robert G., 521 Castleview, Biltmore, Barrington. (Chicago)  
 Seeger, John C., Jr., P.C.A., 33 West Grand Ave., Chicago. (Chicago)  
 Shurts, Wilbur F., P.O. Box 37, Winnebago. (Rockford)  
 Small, George E., 477 South Alma, Kankakee. (At Large)  
 Smit, Edwin M., 407 South Thurlow, Hinsdale. (Chicago)  
 Smith, James H., 8021 Crandon Ave., Chicago 17. (Chicago)  
 Spooner, Albert M., 1600 West Golf Rd., Mt. Prospect. (Chicago)  
 Terrill, Dudley R., 10016 So. Vernon Ave., Chicago 28. (Chicago)  
 Turner, Earl J., RFD #1, Box 415, Collinsville. (St. Clair)  
 Van Gorp, Dick, 6515 North Ponchartrain Blvd., Chicago 30. (Chicago)  
 Warren, Robert A., 450 Stratford Ave., Elmhurst. (Chicago)  
 Wells, Chester G., 664 West Grand, Decatur. (Central Illinois)  
 Westphal, Carl W., 5331 Arcadia St., Skokie. (Chicago)

### Engineer-in-Training

Casey, Richard P., 731 West Main, Decatur. (Central Illinois)  
 Knowles, Joseph E., 2556 Farwell, Chicago. (Chicago)  
 Maser, Philip G., 118 North Edward, Decatur. (Central Illinois)  
 Morgan, Donald C., 513 Morgan, Joliet. (Joliet)  
 Peelman, Lawrence A., 1587 Second, Cuyahoga Falls, Ohio. (At Large)  
 Ratterree, Bruce L., 821 Lorraine, Springfield. (Capital)  
 Wasilewski, George M., 5005 South Loomis, Chicago. (Chicago)  
 Zaretsky, Erwin V., 6353 North Wayne, Chicago. (Chicago)

### Affiliate

Smith, Joseph H., 85½ South St., Pittsford, New York (Peoriarea)

### Student

Fehr, Allen E., 711 West Hill St., Champaign. (Champaign County)  
 Snider, Charles E., 1113 No. Walnut, Champaign. (Champaign County)

### Honorary Student

Beaman, Donald R., 306 East Green, Champaign. (Champaign County)  
 Cook, Robert Davis, 1004 South Third, Champaign. (Champaign County)

### Transfer-in-Grade

Engle, Arthur D., 1713 Dobson, Evanston. (State to National) (Chicago)  
 Knottnerus, John H., 2713 Walnut, Alton. (State to National) (Madison County)  
 Reese, W. J., 2200—24th St., Rock Island. (State to National) (West Central)

## NEW BUSINESS

Gerald Marks (N '55) announces the formation of a new company, "Lighting Associates", 53 West Jackson Blvd., Chicago 4, Illinois. Marks, after earning his B.S. in E.E. in the Illumination Option, worked for the Jersey Central Power Company and later was manager of the lighting department of Electric Supply Corp. Associated with Mr. Marks are Robert Harmon and Wesley Whitechurch. The firm will specialize in the field of illumination.

In these days of low-cut gowns, tight-fitting waists and sheer stockings, it takes will power for a man to look a women in the eye.

Satan: "What are you laughing at?"

Imp: "Oh, I just had a woman locked up in a room with a thousand hats and no mirror."



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**PFT Floating Cover with aluminum roofing on 65' digester.**

## **NOW UNDER CONSTRUCTION ... 2 MORE P.F.T. EQUIPPED DIGESTERS**

Expansion of the Champaign-Urbana treatment plant includes two new 65-foot digesters. The primary digester will have a P.F.T. Floating Cover with prefabricated, aluminum, insulated roofing, and a complete P.F.T.-Pearth gas recirculation system. The secondary digester will be equipped with a P.F.T. gas storage type cover.

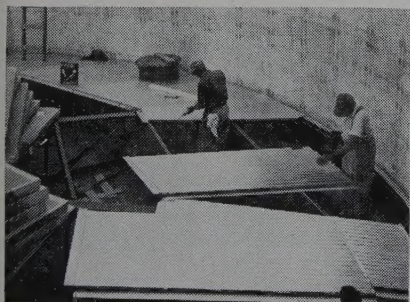
**At Champaign-Urbana, Illinois . . .**

# **A sewage plant invests in long-range economy**

## **PFT metal roofing on new Floating Cover provides longer life, better insulation**

With future economies in mind, the Champaign-Urbana Sanitary District specified a *PFT Floating Cover* with *metal-clad roofing* for their new 65' diameter digester.

The metal roofing provides four distinct advantages over conventional wood types: (1) longer life—equal to the life of the Floating Cover, (2) more efficient insulation, (3) fewer maintenance problems, (4) easier assembly and installation.



*Shown at actual installations, PFT metal sections are easily unpacked and assembled. Cardboard boxes in foreground contain panels as they are shipped.*



*Section of roofing showing (1) aluminum top sheet, (2) inch-thick fiber-glass insulation, (3) aluminum reinforcing channel, (4) corrugated supporting ribs.*

PFT metal roofing consists of prefabricated sections with embossed aluminum top sheets, each piece marked for easy assembly at the plant site. The sections are designed for close fitting in the field with a 3" lap of top metal covering at all joints (see illustration). Cutout sections are provided to fit around sampling walls, hatch framing, manholes, etc.

With fiber-glass insulation, PFT metal roofing resists heat loss and keeps digester heating costs at a minimum.

Ventilators are provided for the space between ceiling plate and roof deck. Also included is a 19" wide walkway of galvanized steel, deformed for sure footing.

The PFT Floating Cover at Champaign-Urbana includes a complete *Pearth Gas Recirculation System*—

an economical process that controls the formation of scum, making more effective use of the entire digestion tank capacity.

*Design of plant by* / *Wilson & Anderson, Consulting Engineers Champaign, Illinois*

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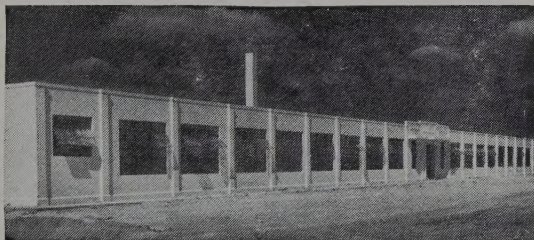
*Modern retail food store*



*Low-cost industrial building*



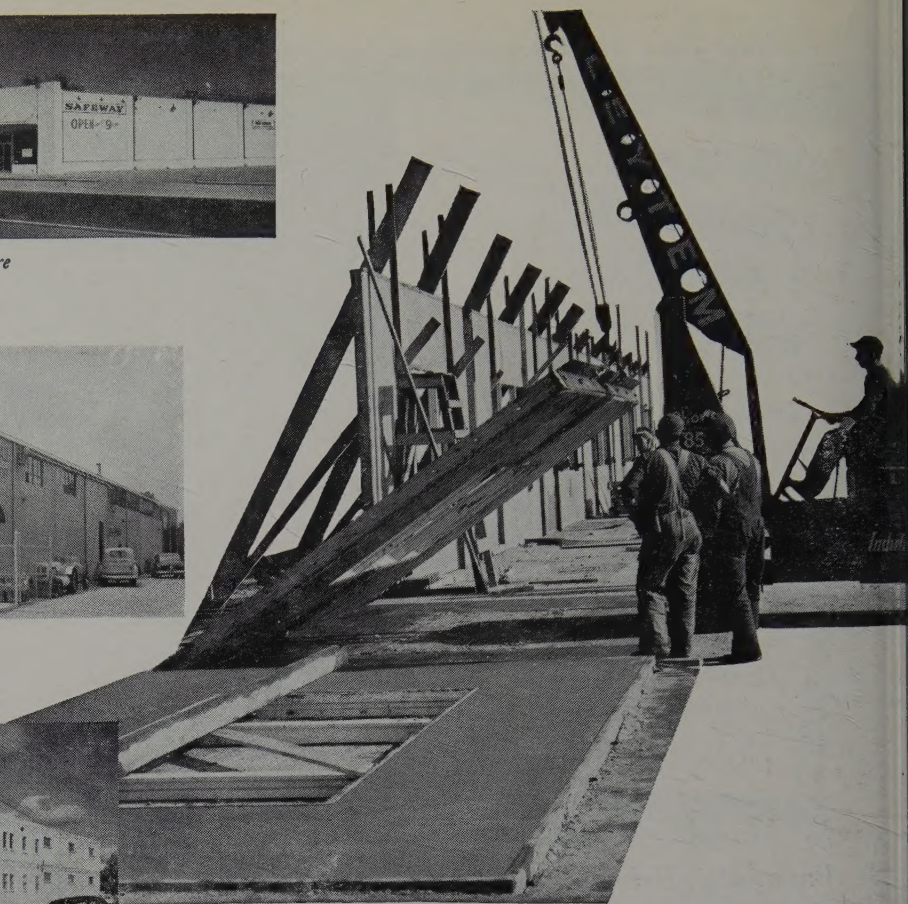
*Two-story warehouse*



*Light, firesafe school*



*Eight-story office building*



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